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CH Flood, D Delleys, N Shavit, X Zhang - To appear in the USENIX JVM Conference, 2001 - sunlabs.com

... the entire heap, and likely to reclaim sufficient space ... cessors sharing 2 Gbyte of memory. ... such applications stop all threads for garbage collection, they must ...

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... all Jalapeño collectors, reclaiming storage involves lit ... Therefore, if memory resources are limited ... of data on parallel threads, garbage collection scales well ...

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Active memory processor: a hardware garbage collector for real-time Java embedded devices

W Snisa-an, CTD Lo, JM Chang - 2003 - doi.ieeecomputersociety.org

... earlier, reference counting cannot collect any garbage objects that ... percentage of the amount of memory that can ... 2-bit reference counting can reclaim more than ...

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Thread-local heaps for Java- ► psu.edu [PDF]

T Domani, G Goldshtein, EK Kolodner, E Lewis, E ... - ACM SIGPLAN Notices, 2003 - portal.acm.org

... by tracing its own local heap and reclaim- ing it. ... in the base JVM The base JVM garbage collection uses a ... 7). After collection, free chunks of memory in the ...

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Concurrent garbage collection using hardware-assisted profiling- ► psu.edu [PDF]

TH Heil, JE Smith - ACM SIGPLAN Notices, 2001 - portal.acm.org

... query used for the concurrent garbage collector presented here ... queues are held in shared memory, and service ... queues so multiple service threads can efficiently ...

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A generational mostly-concurrent garbage collector- ► sun.com [PDF]

T Printezis, D Delleys - ACM SIGPLAN Notices, 2001 - portal.acm.org

... phase will follow, and will reclaim the unmarked ... no space overhead, since the same memory is used ... Thread Our system uses a dedicated garbage collection thread. ...

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Reconsidering custom **memory allocation**- ► amherst.edu (PDF)

ED Berger, BG Zorn, KS McKinley - Proceedings of the 17th ACM SIGPLAN conference on Object-..., 2002 - portal.acm.org

... In particular, **threads** in a producer-consumer relationship ... SMP scalability [3], a **garbage collector** to protect ... Regions provide separate **memory** areas that a ...

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Message analysis-guided allocation and low-pause incremental **garbage collection** in a concurrent ...- ► u.wisc.edu (PDF)

K Sagonas, J Wilhelmsson - Proceedings of the 4th international symposium on Memory ..., 2004 - portal.acm.org

... 5. INCREMENTAL COLLECTION IN THE SHARED MEMORY AREA ... In incremental tracing **garbage** collectors, the ... cate w M words of **heap**, the **collector** must **reclaim** w words ...

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MC 2: high-performance **garbage collection** for **memory-constrained** environments

N Sachindran, JEB Moss, ED Berger - ACM SIGPLAN Notices, 2004 - portal.acm.org

... on handheld de- vices, modern **garbage** collectors must ... and less frequent older generation collections **reclaim** the space ... need to map and unmap **memory** every time ...

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